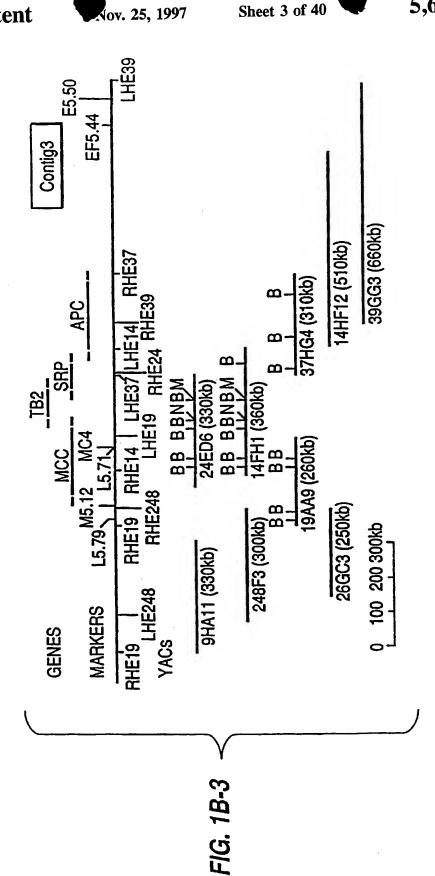


COLLT. CETHAL



### F16. 24

# TB1 AMINO ACID SEQUENCE

434					TLLO	VLOITKIIYS TLLO
420	VIIQYTLHAA	VFGFYKGFGA	CINTIRQEEG	HIGGTRIIID NTOLGYEVLP INTOYEGMRD CINTIRQEEG VFGFYKGFGA VIIQYTLHAA	NTOLGYEVLP	HIGGIRTID
360	YPLETVLHRL	AASLCSDVIL	AYFPELIANF	IQKFVLLILK RKTYNSHLAE STSPVQSMLD AYFPELIANF AASLCSDVIL YPLETVLHRL	RKTYNSHLAE	IOKFVLLILK
300	GVLHYIISSV	LSLIFPTVLH	VPHSKRLLPL	IETVOSEIIR DNTGILECVK EGIGRVIGMG VPHSKRLLPL LSLIFPTVLH GVLHYIISSV	DNTGILECVK	IETVOSEIIR
240	VAMPFYSASL	HLLLKSLTYV	HKWSPKQIGE	GMGSTFIVOG VTLGAEGIIS EFTPLPREVL HKWSPKOIGE HLLLKSLTYV VAMPFYSASL	VTLGAEGIIS	GMGSTFIVOG
180	KTOGPRALWK	TVINIMYSFN	HAOHYHLTPF	GFGIGLASLF TENVLAHPCI VLRRQCQVNY HAQHYHLTPF TVINIHYSFN KTQGPRALWK	TENVLAHPCI	GFGIGLASLF
12(	OSSEOLNRFA	SSGGGGSVQG	PYEGPTEEPF	WYTTPPDIPG SRNLHWGEKS PPYGVPTTST PYEGPTEEPF SSGGGGSVQG QSSEQLNRFA	SRNLHWGEKS	WYTTPPDIPG
9	SFSTGSDLGH	OGFGGAFPAR	LGYRGGARDE	VAPVVVGSGR APRHPAPAAM HPRRPDGFDG LGYRGGARDE QGFGGAFPAR SFSTGSDLGH	APRHPAPAAM	VAPVVVGSGR

## F16. 2B

# TB2 AMINO ACID SEQUENCE

120 180 185 GYPAYISIKA IESPNKEDDT OWLTYWVYG VFSIAEFFSD IFLSWFPFYY ILKCGFLLWC ELRRFDRFLH EKNCHTDLLA KLEAKTGVNR SFIALGVIGL VALYLVFGYG ASLLCNLIGF MAPSPSNGAE LLYKRIIRPF FLKHESOMDS VVKDLKDKAK ETADAITKEA KKATVNLLGE

# FIG. 3A

Ser 80 Leu Gly Asn Leu Pro TyrGly Ser Arg Glu Gly Ser Val Ser Ser Arg Ser Gly Glu Cys Ser 100 Met Ala Ala Ser Tyr Asp Gln Leu Leu Lys Gln Val Glu Ala 1 10 10 Lys Met Glu Asn Ser Asn Leu Arg Gln Glu Leu Glu Asp Asn Ser 25 Ser Pro Gly Val Lys Leu Arg Ser Lys Met Ser Leu Arg Ser 95 Glu Val Ile Asp Leu Leu Glu Arg Leu Lys Glu Leu Asn Leu Asp Ser 70 Ser Leu Thr Lys Leu Glu Thr Glu Ala Ser Asn Met Lys 35 Ala Glu Asp Glu Ala Met 11e 55 Lys Gln Leu Gln Gly Ser 50 Gln Asn

# FIG. 3B

Arg	Leu	Ala 160	Glu	Glu	Gln	Ile
Ser	Leu	Tyr	Thr 175	Tyr	Cys	Gln
Gly	Ser	Tyr	Leu	Glu 190	$\mathtt{Thr}$	Gln
Gly Ser Phe Pro Arg Arg Gly Phe Val Asn Gly Ser Arg 120	ly Tyr Leu Glu Glu Leu Glu Lys Glu Arg Ser Leu Leu 135	Glu Glu Lys Asp Trp Tyr Tyr Ala 155	Gln Leu Gln Asn Leu Thr Lys Arg Ile Asp Ser Leu Pro Leu Thr 175	Leu Gln Thr Asp Leu Thr Arg Arg Gln Leu Glu Tyr 180	Ile Arg Val Ala Met Glu Glu Gln Leu Gly Thr Cys 200	Glu Lys Arg Ala Gln Arg Arg Ile Ala Arg Ile Gln Gln Ile 215
Val	Glu 140	Asp	Leu	Gln	Leu	Arg 220
Phe	Lys	Lys 155	Ser	Arg	Gln	Ala
Gly	Glu	Glu	Asp 170	Arg	G1'u	Ile
Arg	Leu	Lys	Ile	Thr 185	G1u	Arg
Arg 120	Glu	Glu	Arg	Leu	Met 200	Arg
Pro	Glu 135	Glu	Lys	Asp	Ala	Gln 215
Phe	Leu	Lys 150	Thr	Thr	Val	Ala
Ser	Tyr	Ala Asp Leu Asp Lys 150	Leu 165	Gln	Arg	Arg
Gly	Gly	Leu	Asn	Leu 180	Ile	Lys
Pro Met	Thr	Asp	Gln	Ser	Gln 195	Glu
Pro	Ser 130	Ala	Leu	Phe	Arg	Met 210
Val	Glu	Leu 145	Gln	Asn	Ala Arg Gln I 195	Asp Met 210

# FIG. 3C

Thr 240	Asp	Ala	Thr	Leu	Ser 320	Ala
Ser Gln Ala	His 255	Met	Glu	Arg	Leu	Leu 335
Gln	Gly Ser	Asn 270	His	Pro Arg Arg	Ser Leu	Leu
Ser		Ile	Asp 285	Pro	Ser	Thr
Gln	Thr	Gly Glu	Thr Thr Arg Met Asp 285	Ala 300	Tyr	Ser Arg
Leu 235	Glu	Gly	Arg	Ser	Val 315	Ser
Ile Arg Gln Leu	His 250	Gly Val 265	${ m Th} x$	His	Glu Met	Met 330
Gln	Lys	G1y 265		Thr	Glu	Asp
Arg	Gln Asn Lys	Gly Gln	Ser 280	Ser	Val (	Asp
Ile	Gln	Gly	Gly	Ser 295	Lys	Lys
Arg 230	Ser	Glu	Gly Gln	Ser	Thr	Asp Lys Asp Asp Met 330
Leu	Ser 245	Asn	Gly	Ser	G1y	His 325
Ile	Arg	Gln 260	Asn	Leu	Leu	Thr
Lys Asp Il	Ala Glu Ar	Glu Arg	G1y 275	Val	His	Gly Thr
	Ala		Ser	Ser 290	Ser	Leu
Glu 225	Glu	Ala	Thr	Ala	Thr 305	Met

# FIG. 3D

Cys	Val	Ser	Gly 400	Tyr	Asp	Pro
Ile Ser Met Arg Gln Ser Gly Cys 345	Ser	Ala	Ile His Ser Gln Pro Asp Asp Lys Arg Gly 395	Ile Arg Val Leu His Leu Leu Glu Gln Ile Arg Ala Tyr 405	Cys Trp Glu Trp Gln Glu Ala His Glu Pro Gly Met Asp 420	Asn Pro Met Pro Ala Pro Val Glu His Gln Ile Cys
Ser 350	Asp	Arg	Lys	Arg	Gly 430	Ile
Gln	His Gly Asn Asp Lys Asp Ser 365	Asn Ser Arg Gly Ser Lys Glu Ala Arg Ala Arg Ala 375	Asp	11e	Pro	Gln 445
Arg	Asp	Arg 380	Asp	Gln	Glu	His
Met	Asn	Ala	Pro 395	Glu	His	<b>G1</b> u
Ser	Gly	Glu	Gln	Leu 410	Ala	Val
Ile 345	His	Lys	Ser	Leu	Glu 425	Pro
Ser Gln Asp Ser Cys 340	Leu Ile Gln Leu Leu 360	Ser	His	His	Gln	Ala 440
Ser	Leu	G1y 375	Ile	Leu	Trp	Pro
Asp	Gln	Arg	His Asn Ile 390	Val	Glu	Met
Gln	Ile	Ser	Asn	Arg 405	Trp	Pro
Ser 340	Leu	Asn	His	Ile	Cys 420	Asn
Ser	Leu 355	Gly	Leu	Glu	Thr	Lys 435
Ser	Pro	Leu 370	Ala	Arg Arg	G1 u	Gln Asp Lys
Met	Leu	Leu	Ala 385	Arg	Cys	Gln

# FIG. 3E

His Ile Ala Glu Leu Leu Gln 475 Thr Gly Asp Ala Cys Val Leu Met Lys Leu Ser Phe Asp Glu Glu His Arg 455 Tyr Ser Ile 495 Lys Ala Thr Leu Cys Ser Met Lys Gly Cys Met Arg 520 Gln Gln Val Asp Val Asn Ser Phe 510 Leu Arg Arg Tyr Ala Gly Met Ala Leu Thr Asn Leu Thr 500 Tyr Gly Leu Thr Asn Asp His 490 Glu Ser Glu Asp Leu 540 Leu Ser Trp Arg Ala 555 Met Asn Glu Leu Gly Gly Leu Gln Ala 470 Ser 535 Ser Val Leu Arg Asn 550 Ala Gln Leu Lys Val Asp Cys Glu Met 485 Asn 515 Val 450 Val Ala Ala Ala 545 Len

Nov. 25, 1997

Ala	Leu	Ala	Ser	Arg 640	Leu	His
Val Gly Ser Val Lys Ala Leu Met Glu Cys Ala 570	Ala	Ile Cys	Tyr Arg	Ile Ile Glu Ser Gly Gly Gly Ile Leu Arg 635	Ile 655	Ser
Glu	Ser 590	Ile	Tyr	Ile	Gln	Lys 670
Met	Leu	Glu Asn Lys Ala Asp 605	Thr	Gly	Glu Asp His Arg Gln 650	Leu Gln His Leu
Leu	Ser Val Leu	Ala	Leu 620	Gly	His	His
Ala	Ser	Lys	Thr	G1У 635	Asp	Gln
Lys 570	Lys	Asn	Leu Val Gly Thr	Ser	Glu 650	
Val	Leu 585	Glu	Val	Glu	Ile Ala Thr Asn	Leu 665
Ser	Thr	Cys Thr 600	Leu	11e	Thr	${ m Th} r$
Gly	Ser	Cys	Phe 615	Ile	Ala	Gln
Val	Lys Glu	Ala His	Leu Ala Phe 615	Ala 630		Cys Leu Gln
Glu 565	Lys	Ala	Leu	Leu	Leu 645	Cys
Arg	Lys 580	Ser	Ala	Thr	Ser	Asn 660
Leu Arg	Val	Leu 595	Gly Ala	Asn	Ser	Arg Glu Asn
Thr	Glu Val	Asn	Asp 610	Thr	Val	Glu
Lys	Leu	Trp	Val	Gln 625	Asn	Arg

# FIG. 3G

Lys Gln Lys Ala Leu Glu Ala Glu Leu Asp Ala Gln His Ser Ser Ser Leu Pro Ser Leu 750 Lys Cys Gly Thr Leu Trp Asn Leu Ser 685 Glu Ala Leu Trp Asp Met Gly Ala Val Pro Ala 735 Pro Lys Ala Ile Ala Lys Met Ala Asn Arg Leu Ser Glu Thr Phe Asp Asn Ile Asp Asn Leu Ser 770 His 715 Pro Gly : 745 Leu Arg Asn Leu Met 730 Ile His Ser Lys Ser Ala 680 Met Asn Pro Lys Asp Gln 695 Ile Val Ser Asn Met Leu Lys Asn Leu 710 Lys Asp Ala Asn Ile 740 Ala Ala 1725 Ala  ${
m Thr}$ 675 Ser Len Arg 690 Val Ser 705 Gly TyrHis Ser Ala

# FIG. 3H

Val 800	Thr	Pro	Lys	His	Ile 880	Ala
Tyr	Phe Asn 815	Leu	Glu	Tyr	Gln	Ser 895
Asp	Phe	Val 830	Ser	Asn	Leu	Val
Gly	Asn	Thr	Arg 845	БΊУ	Gly	Glu
Leu Tyr Gly Asp Tyr 795	Asn Arg His Asp Asp Asn Arg Ser Asp Asn 805	Tyr Leu Asn Thr Thr Val 825	Ser Arg 845	Leu Glu Arg Gly Ile Gly Leu Gly Asn Tyr 855	Ser Ser Lys Arg Gly Leu Gln 875	Ala Ala Gln Ile Ala Lys Val Met Glu Glu Val 885
Leu 795	Ser	Asn	Ser	БТУ	Lys 875	Met
Lys Gln Arg His Lys Gln Ser 790	Arg 810	Leu	Ser Leu Asp Ser 840	Ile	Ser	Val 890
Gln	Asn	Tyr 825	Leu	Gly	Ser	Lys
Lys	Asp	Pro	Ser 840	Arg	Pro Gly Thr 870	Ala
His	Asp	Ser	Gly	Glu 855	Gly	Ile
Arg 790	His	Thr Val Leu Ser 820	Ser Arg	Arg	Pro 870	Gln
Gln	Arg 805	Val	Ser	Glu	Glu Asn	Ala 885
Lys	Asn	Thr 820	Ser	Leu	Glu	Ala
Ser	Thr	Met	Ser 835	Ser	Thr	Thr
Arg	Asp	Gly Asn	Ser	Arg 850	Ala	Thr
His 785	Phe	$Gl\mathtt{y}$	Ser	Asp	Pro 865	Ser

5,691,454

### Nov. 25, 1997

						41
Leu	Ala	Asn	Ser 960	Arg	Ser	Ile
	Ala	Ser	Ser	Lys 975	Glu	Lys
${ m Thr} 910$	Ser	Glu Asn	Arg	Gly Lys 975	Asp 990	His 5
Thr Thr Glu 910	Ser 925	Glu	Lys	Asn Asp Gly Tyr 970	Glu Asp Asp 990	Gly Gln Tyr Pro Ala Asp Leu Ala 1000
Gly Ser		Ser 940	Tyr	Glγ		Leu
Gly	Leu Arg Arg	Lys	G1u 955	Asp	Ser	Asp
Ser	Leu	Thr	Leu	Asn 970	Tyr	Ala
Ser 905	Ala	Phe	Lys	Ser	Ser 985	Pro
Arg		Asn	Tyr Ala Lys	Ser	Ile Glu	Tyr 100
Ser Gln Glu Asp Arg 900	Asp Glu Arg Asn 920	TYr 935	Tyr	Val		Gln
Glu	Glu	Thr	Pro 950	Ser	Ser	Gly
Gln	Asp	Asn	Met	Asn 965	Pro	Tyr
Ser 900	Thr	Ser Asn	Ser	Leu	Lys 980	Ser
Thr	Val 915	His	Cys	Ser	Met	Cys 995
His	Cys	Thr 930	Thr	Asn Asp	Gly Gln Met	Phe
Ile	His	His	Arg 945	Asn	Gly	Lys

# FIG. 3J

Asn His Met Asp Asp Asp Gly Glu Leu Asp Thr Pro 1015	Ser Leu Lys Tyr Ser Asp Glu Gln Leu Asn Ser Gly Arg 1030	Ser Gln Asn Glu Arg Trp Ala Arg Pro Lys His Ile Ile 1045	Ile Lys Gln Ser Glu Gln Arg Gln Ser Arg Asn Gln Ser 1060	Pro Val Tyr Thr Glu Ser Thr Asp Asp Lys His Leu Lys 1085	His Phe Gly Gln Glu Cys Val Ser Pro Tyr Arg Ser 1095	Asn Gly Ser Glu Thr Asn Arg Val Gly Ser Asn His Gly 1110
Met Asi 10	Lys Ty1 1030	Asn Glι	in Ser	yr Thr	1y Gln 109	er Glu 110
His M	Leu I	Gln A 1045	Lys G 0	Val T	Phe G	Gly S
His Ser Ala Asn 1010	Asn Tyr Ser	Pro	Glu Asp Glu Ile 106	Tyr 1075	Gln Pro His 1090	Arg Gly Ala Asn 1105
His	Ile , 1025	Gln Ser	Glu i	Thr Thr	Phe (	Arg (

Nov. 25, 1997

# FIG. 3K

Thr Asp Ile Pro Ser Ser Gln Lys Gln Ser Phe Ser Phe Ser Lys Ser Asn Thr Ser Thr Pro Ser Ser Asn Ala Lys Arg Gln Asn Gln Leu His Ser Glu Glu Lys Arg His Val Asp Gln Pro Ile Asp Tyr Ser Leu Lys Tyr Ala 1170 Asp Asp Lys Pro Thr Asn Tyr Ser Glu Arg Tyr Ser Glu Glu Glu Gln Into His Glu Glu Glu Arg Pro Thr Asn Tyr Ser Ile Lys Tyr Asn Glu 1155 Ile Asn Gln Asn Val Ser Gln Ser Leu Cys Gln Glu Asp Asp Tyr Glu 1135 Ser Gly Gln Ser Ser Lys Thr Glu His Met Ser Ser Ser 1210 1195

# FIG. 3L

1280 His Pro Arg Thr Lys Ser Ser Arg Leu Gln Gly Ser Ser Leu Ser Ser 1330 Ser Ser Ala Glu Asp Glu Ile Gly Cys Asn Gln Thr Thr Gln Glu Ala 1295 Asp Ser Ala Asn Thr Leu Gln Ile Ala Glu Ile Lys Gly Lys Ile Gly 1300 Thr Arg Ser Ala Glu Asp Pro Val Ser Glu Val Pro Ala Val Ser Gln Glu Asp Thr Pro Ile Cys Phe Ser Arg Cys Ser Ser Leu Ser Ser Leu 1275 Cys Lys Val Ser Ser Ile Asn Gln Glu Thr Ile Gln Thr Tyr Cys Val 1250 Ser Ala Gln Ser Arg Ser Gly Gln Pro Gln Lys Ala Ala Thr 1235 1320 Pro Ser

oghtstas llass

# FIG. 3M

Arg His Lys Ala Val Glu Phe Pro Ser Gly Ala Lys Ser 1350	TYr	Ser	Glu	Pro	Gly Gln Thr Met Pro Pro Ser Arg Ser Lys Thr Pro Pro 1435	Lys
Lys	His 1375	Ser	Ser	Leu	Pro	Asn 1455
Ala	Glu	Val 1390	Gln	Asp	Thr	Lys
Gly	er Gly Ala Gln Thr Pro Lys Ser Pro Pro Glu His Tyr 1365	Thr Pro Leu Met Phe Ser Arg Cys Thr Ser Val Ser Ser 1380	Phe Glu Ser Arg Ser Ile Ala Ser Ser Val Gln Ser Glu 1400	Gly Met Val Ser Gly Ile Ile Ser Pro Ser Asp Leu Pro 1415	Lys	Gln Thr Ala Gln Thr Lys Arg Glu Val Pro Lys Asn Lys 1445
Ser	Pro	Thr	Ser	Pro 142(	Ser	Val
Pro 1355	Ser	Cys	Ser	Ser	Arg 143!	Glu J
Phe	Lys 1370	Arg	Ala	Ile	Ser	Arg 145(
<b>61</b> u	Pro	Ser 1385	Ile	Ile	Pro	Lys
Val	$\operatorname{Th} r$	Phe	Ser 140(	Gly	Pro	Thr
Ala )	Gln	Met	Arg	Ser 141	Met 0	Gln
Lys 1350	Ala	Leu	Ser	Val	Thr 1	Ala 5
His	G1y 1365	Pro	Glu	Met	Gln	Thr 144
Arg	Ser	Thr 138(	Phe	Gly		
Ala	Lys	Glu	Ser 1395	Ser	Pro	Pro
Ser	Ser	Gln	Leu Asp	Cys 141(	Ser	Pro
Glu 3	Pro	Val	Leu	Pro	Asp 1425	Pro

# FIG. 3N

Ala Glu Lys Thr Ile Asp Ser Glu Lys Asp Leu Leu Asp Asp Ser Asp 1555 Glu Leu Arg Ile Met Pro Pro Val Gln Glu Asn Asp Asn Gly Asn Glu Thr Glu Ser Glu Gln Pro Lys Glu Ser Asn Glu Asn Gln Glu Lys Glu Asn Ala Ala Val Gln Arg Val Gln Val Leu Pro Asp Ala Asp Thr Leu 1475 Ser Leu Ser Ala Leu Ser Leu Asp Glu Pro Phe Ile Gln Lys Asp Val Ala Pro Thr Ala Glu Lys Arg Glu Ser Gly Pro Lys Gln Ala Ala Val 1460 Leu His Phe Ala Thr Glu Ser Thr Pro Asp Gly Phe Ser Cys Ser 1490 1515 1530 1510 1525 1540

# FIG. 30

o ro	0091	Γys	Phe	Pro	Ser	Gln 1680
Ile Glu Ile Leu Glu Glu Cys Ile Ile Ser Ala Met Pro 1575	Ser Arg Lys Gly Lys Lys Pro Ala Gln Thr Ala Ser Lys 1590	Pro Val Ala Arg Lys Pro Ser Gln Leu Pro Val Tyr Lys 1605	Ser Gln Asn Arg Leu Gln Pro Gln Lys His Val Ser Phe 1620	Pro Gly Asp Asp Met Pro Arg Val Tyr Cys Val Glu Gly Thr Pro 1635	Ser Thr Ala Thr Ser Leu Ser Asp Leu Thr Ile Glu Ser 1655	Glu Leu Ala Ala Gly Glu Gly Val Arg Gly Gly Ala Gln 1670
Ala l	Ala	Val	Val 1630	Gly	Ile	Gly
Ser	Thr	Pro	His	Glu 1645	Thr 0	Gly
11e 1580	Gln	Leu	Lys	Val	Leu 166	Arg 5
Ile	Ala 1595	Gln )	Gln	Cys	Asp	Val
Cys	Pro	Ser 1610	Pro	Tyr	Ser	Gly
Glu	Lys	Pro	Gln 1629	Val )	Leu	Glu
Glu	Lys	Lys	Leu	Arg 164(	Ser	$G1\overline{y}$
Leu 1575	G1y	Arg	Arg	Pro	Thr 165	Ala 0
Ile	Lys 1590	Ala	Asn	Met	Ala	Ala 167
Glu	Arg	Val 1605	Gln )	Asp	Thr	Leu
Ile	Ser	Pro	Ser 162(	Asp 5		
	Ser	Pro	Pro	G1y 163	Phe 0	Pro Asn
Asp Asp Asp 1570	Lys	Leu Pro	Leu	Pro	Asn 1650	Pro 5
Asp	Thr 1585	Leu	Leu	Thr	Ile	Pro 1

## FIG. 3P

1760 Lys Pro Ile Pro Gln Asn Thr Glu Tyr Arg Thr Arg Val Arg Lys Asn 1780 Lys Ile Met Asp Gln Val Gln Gln Ala Ser Ala Ser Ser Ala Pro Asn Lys Asn Gln Leu Asp Gly Lys Lys Lys Lys Pro Thr Ser Pro Val Asn Ser Ala Met Pro Lys Gly Lys Ser His Lys Pro Phe Arg Val Lys Leu Asp Asp Asn Lys Ala Glu Glu Gly Asp Ile Leu Ala Glu Cys Ile Thr Asp Glu Ala Gln Gly Gly Lys Thr Ser Ser Val Thr Ile Pro Glu Ser Gly Glu Phe Glu Lys Arg Asp Thr Ile Pro Thr Glu Gly Arg Ser

# FIG. 30

Asp Leu Ser Arg Glu Lys Ala Glu Leu Arg Lys Ala Lys Glu Asn Lys 1875 Ser Glu Ala Lys Val Thr Ser His Thr Glu Leu Thr Ser Asn Gln Asp Ser Pro His His Tyr Thr Pro Ile Glu Gly Thr Pro Tyr Cys Phe 1845 Ser Arg Asn Asp Ser Leu Ser Leu Asp Phe Asp Asp Asp Val Ala Asp Ser Lys Asn Asn Leu Asn Ala Glu Arg Val Phe Ser Asp Asn 1795 Lys Asp Ser Lys Lys Gln Asn Leu Lys Asn Asn Ser Lys Asp Phe Asn Asp Lys Leu Pro Asn Asn Glu Asp Arg Val Arg Gly Ser Phe Ala Phe 1825 1900 1865 1815 1860 1890 1810 Glu

# FIG. 3R

n Lys Thr Gln Ala Ile Ala Lys Gln Pro Ile Asn Arg 1910	Ser	Gln	Ser	Asn	Lys Glu Thr Glu Pro Pro Asp Ser Gln Gly Glu Pro Ser 1990	Ala Ser Gly Tyr Ala Pro Lys Ser Phe His Val Glu Asp 2005
Asn	Gln 1935	Leu	Ser	Glu	Pro	Glu 201
Ile	Pro	$\frac{\text{Lys}}{1950}$	Asn	Ľуs	Glu	Val
Pro	Phe	Glu	His 1965	Asn )	Gly	His
Gln	Thr	Asp	Ser	Asn 198(	Gln	Phe
Lys 1915	Pro Lys Pro Ile Leu Gln Lys Gln Ser Thr Phe Pro Gln Ser 1925	e Pro Asp Arg Gly Ala Ala Thr Asp Glu Lys Leu Gln 140	Ile Glu Asn Thr Pro Val Cys Phe Ser His Asn Ser Ser	Leu Ser Asp Ile Asp Gln Glu Asn Asn Lys Glu Asn 1975	Ser 1995	Ser
Ala	Gln 1930	Ala	Cys	Glu	Asp	Lys 201(
Ile	Lys	Ala 1945	Val	Gln	Pro	Pro
Ala	Gln	Glγ	Pro 1960	Asp	Pro	Ala
Gln	Leu	Arg	Thr	11e	Glu )	Tyr
Thr 1910	Ile	Asp	Asn	Asp	Thr 199(	G1y 5
Lys	Pro 1925	Pro )	Glu	Ser	Glu	Ser 200
Asn	Lys	Ile Pro 1940	11e 5	Leu	Lys	Ala
Ser Ala	Pro	Asp	Phe Ala 1955	der	Ile	Pro Gln
Ser	Gly Gln	Ser Lys Asp		Leu Ser S	Pro 5	
Gln 1905	Gly	Ser	Asn	Leu	Glu 1985	Lys

# FIG. 3S

Φ	0	អូ	280 80	អ្	ᅼ	ø
H	Pr	Se	Le 20	Se 5	<b>S</b>	A
Ser	Met	His	Asp	Asp 209	Ile	Gln
Leu 2030	Ala	Lys	Leu	Pro	Ser 211(	Arg
Ser	Ser 2045	G1u	Thr	Ser	Asn	Ser 212
Ser	Ser	Asn 2060	Leu	Leu	Ala	Leu
Leu	Ile	Asp	Asp 2075	Gly	Gly	Cys
Ser	Cys	Gly	Glu	His 2090	Glu	Ala
Ser 2025	Glu	Lys	Gly	Glu	Gln 2105	Ala
Cys Phe Ser Arg Asn Ser Ser Leu Ser Leu Ser Ile 2020	p Asp Leu Leu Gln Glu Cys Ile Ser Ser Ala Met Pro 2040	Leu	Arg Asn Met Gly Gly Ile Leu Gly Glu Asp Leu Thr Leu Asp Leu 2075	Gln Arg Pro Asp Ser Glu His Gly Leu Ser Pro Asp Ser 2085	Asp Trp Lys Ala Ile Gln Glu Gly Ala Asn Ser Ile Val 2100	Leu His Gln Ala Ala Ala Ala Cys Leu Ser Arg Gln Ala 2115
Arg	Leu	Arg 2055	11e	Asp	Ala	Ala
Ser	Leu	Ser	G1y 2070	Pro	Lys	Ala
Phe	Asp	Pro	Glγ	Arg 2085	$\operatorname{Trp}_{\mathfrak{I}}$	Gln
Cys 2020	Asp	Lys	Met	Gln	Asp 210(	His 5
	Glu As 2035	Lys	Asn	Ile	Phe	Leu   2115
Pro Val	Ser	Lys Lys Lys Pro Ser Arg Leu Lys Gly Asp Asn Glu Lys His Ser 2050	Arg	Lys Asp	Asn	Ser
Thr	Asp	Lys	Pro 3	Lys	Glu	Ser

# FIG. 3T

ren	Phe His Leu Thr Pro Asp Gln Glu Glu Lys Pro Phe Thr 2150	ren	Lys	Glu	I.le	Arg Thr Met Ile His Ile Pro Gly Val Arg Asn Ser Ser 2230 2230
Ser	Phe	Thr 2175	Gly	Ser	Ser	Ser
Ile	Pro	Ser	<b>Gly</b> 2190	Asn	Pro	Asn
Ser Asp Ser Ile Leu Ser Leu Lys Ser Gly Ile Ser Leu 2135	Lys	Gly Pro Arg Ile Leu Lys Pro Gly Glu Lys Ser Thr Leu 2165	Lys Ile Glu Ser Glu Ser Lys Gly Ile Lys Gly Gly Lys 2180	Lys Ser Leu Ile Thr Gly Lys Val Arg Ser Asn Ser Glu 2200	Gln Met Lys Gln Pro Leu Gln Ala Asn Met Pro Ser Ile 2215	Arg
Ser 2140	Glu	Glu	Ile	Arg	Asn 222(	Val
Lys	Glu 2155	G1y )	Gly	Val	Ala	G1y 223
Leu	Gln	Pro 2170	Lys	Lys	Gln	Pro
Ser	Asp	Lys	Ser 2185	G1y )	Leu	Ile
Leu	Pro	Leu	Glu	Thr 2200	Pro	His
11e 2135	Thr	Ile	Ser	Ile	Gln 221!	Ile
Ser	Leu 2150	Arg	Glu	Leu	Lys	Met 223(
Asp	His	Pro 2165	Ile	Ser	Met	Thr
Ser	Phe			Lys		Arg
Ser Asp 2130	Pro	Lys	Lys	Tyr ] 2195	G1у 0	G1y
Ser 213(	Ser 5	Asn	Thr	Lys Val	Ser 221(	Arg
Ser	Gly 3	Ser	Glu	Lys	Ile	Ser 3

# FIG. 3U

Pro	Arg	Gln	Ser	ir Pro Ser Arg Pro Ala Gln Gln Pro Leu Ser Arg Pro 2310	Ile	Ser
Thr 2255	Pro	Arg	Gly	Arg	G1y 2335	Pro )
Lys	Ser 2270	Ala	Ser	Ser	Asn	Ser 2350
r Pro Val Ser Lys Lys Gly Pro Pro Leu Lys Thr Pro 2245	Ser Pro Ser Glu Gly Gln Thr Ala Thr Thr Ser Pro Arg 2260	o Ser Val Lys Ser Glu Leu Ser Pro Val Ala Arg Gln 2280	e Gly Gly Ser Ser Lys Ala Pro Ser Arg Ser Gly Ser 2295	Leu	Pro Gly Arg Asn Ser Ile Ser Pro Gly Arg Asn Gly Ile 2325	Asn Lys Leu Ser Gln Leu Pro Arg Thr Ser Ser Pro Ser 2340
Pro	Thr	Pro	Ser 2300	Pro	Gly	Thr
Pro	Ala	Ser	Pro	Gln 2315	Pro )	Arg
G1y 2250	Thr	Leu	Ala	Gln	Ser 233(	Pro 5
Lys	Gln 2265	Glu )	Lys	Ala	Ile	Leu 234!
Lys	G1y	Ser 228(	Ser	Pro	Ser	Gln
Ser	Glu	Lys	Ser 2299	Arg )	Asn	Ser
Val	Ser	Val	Gly	Ser 231(	Arg 5	Leu
Pro 2245	Pro	Ser	Gly	Pro	G1y 232	$\frac{\mathrm{Lys}}{0}$
Ser	Ser 226(	Pr	II.	Th		Asn 234
Thr	Lys	Lys 2275	Gln O	Ser	Ser	Pro
Ser	Ser	Gly Ala	Ser ( 2290	Asp 5	Gln	Pro
Ser	Ala	Gly	Thr	Arg 1 2305	Ile	Ser

# FIG. 3V

		0				
Ser	Leu	G1y 240(	Leu	Ser	Pro	Ser
Thr	Gly	Lys	Glu 2415	Arg	Ala	Glu
Tyr	Thr	Ser	Val	Asp 2430	Glu	Phe
Ser 2365	Gln	Ala	Lys	Ser	Lys 2445	Ser
ır Lys Ser Ser Gly Ser Gly Lys Met Ser Tyr Thr Ser 2365	n Met Ser Gln Gln Asn Leu Thr Lys Gln Thr Gly Leu 2375	a Ser Ser Ile Pro Arg Ser Glu Ser Ala Ser Lys Gly. 2390	Gln Met Asn Asn Gly Asn Gly Ala Asn Lys Lys Val Glu Leu 2405	Ser Ser Thr Lys Ser Ser Gly Ser Glu Ser Asp Arg Ser 2420	Val Leu Val Arg Gln Ser Thr Phe Ile Lys Glu Ala Pro 2440	Leu Arg Arg Lys Leu Glu Glu Ser Ala Ser Phe Glu Ser 2455
Lys	Thr	Glu 2395	Asn	Ser	Phe	Ser
Gly	Leu	Ser	Ala 2410	Gly	Thr	Glu
Ser	Asn	Arg	Gly	Ser 2425	Ser	Glu
G1y 2360	Gln	Pro	Asn	Ser	Gln 244(	Leu
Ser	Gln 2375	11e	G1y	Lys	Arg	Lys 2455
Ser	Ser	Ser 2390	Asn	Thr	Val	Arg
Lys	Met	Ser	Asn 2405	Ser )	Leu	Arg
딘	Gln	Ala	Met	Ser 2420	Val	Leu
Ser 2355	Arg		Gln	Met	Pro 7	Thr
Ala	G1y 2370	Lys Asn	Asn	Ser Arg Met	Glu Arg	Pro
Thr Ala	Pro	Ser 3385	Leu	Ser	Glu	Ser

# FIG. 3W

r Ser Arg Pro Ala Ser Pro Thr Arg Ser Gln Ala Gln 2470	His	Ser	Ile	Ser	Ser Ser Leu Pro Arg 2555	Ala
Ala	Ser Pro Ser Leu Pro Asp Met Ser Leu Ser Thr His 2485	Gln Ala Gly Gly Trp Arg Lys Leu Pro Pro Asn Leu Ser 2500	Glu Tyr Asn Asp Gly Arg Pro Ala Lys Arg His Asp Ile 2520	Ser Pro Ser Arg Leu Pro Ile Asn Arg Ser 2535	Pro	Ser Ser Ser Ile Leu Ser Ala 2570
Gln	Ser	Asn 2510	His	Asn	Leu	Leu
Ser	Leu	Pro	Arg 2525	Ile	Ser	Ile
Arg	Ser	Pro	Lys	Pro 2540	Ser	Ser
Thr 2475	Met	Leu	Ala	Leu	Ser 2555	Ser
Pro	Asp 2490	Lys	Pro	Arg	His	Ser 2570
Ser	Pro	Arg 2505	Arg	Ser	Trp Lys Arg Glu His Ser Lys His 2550	Ser
Ala	Leu	Trp	<b>Gly</b> 2520	Pro	Ser	Trp Arg Arg Thr Gly Ser 2565
Pro	Ser	GLy	Asp	Ser 2535	His	Thr
Arg 2470	Pro	Gly	Asn	Glu	Glu ] 2550	Arg
Ser	Ser   2485	Ala )	Τyr	s Ser Glu	Arg	Arg / 2565
Ser	Leu	Gln 2500	Glu	His	Lys	Trp
Pro	Val	Val	Ile ( 2515	Ser		Thr
Ser	Pro	Ser	Thr	Ala Arg \$ 2530	$_{5}^{\mathrm{Thr}}$	Ser
Leu 2465	Thr	Ser	Pro	Ala	G1y 2545	Val

# FIG. 3X

Ser Ser Glu Ser Ser Glu Lys Ala Lys Ser Glu Asp Glu Lys His Val 2580 Asn Ser Ile Ser Gly Thr Lys Gln Ser Lys Glu Asn Gln Val Ser Ala 2595 Lys Gly Thr Trp Arg Lys Ile Lys Glu Asn Glu Phe Ser Pro Thr Asn Ser Thr Ser Gln Thr Val Ser Ser Gly Ala Thr Asn Gly Ala Glu Ser 2625 2640 Lys Thr Leu Ile Tyr Gln Met Ala Pro Ala Val Ser Lys Thr Glu Asp 2650 Val Trp Val Arg Ile Glu Asp Cys Pro Ile Asn Asn Pro Arg Ser Gly Pro Thr Gly Asn Thr Pro Pro Val Ile Asp Ser Val Ser Glu 2675 2670 2620 2665 2615 Arg Ser

# FIG. 3Y

Gln	Val Gly Asn Gly Ser Val Pro Met Arg Thr Val Gly Leu Glu Asn 2710	Thr	Asn	Ser	Phe	Ala 2800
Lys	Glu	G1y 2735	Thr	Ser	Pro	Ser
Ala	Leu	Lys	Glu 2750	Ser	Thr	Thr
o Asn Ile Lys Asp Ser Lys Asp Asn Gln Ala Lys Gln 2695	G1y	Phe Ile Gln Val Asp Ala Pro Asp Gln Lys Gly Thr 2725	Pro Gly Gln Asn Asn Pro Val Pro Val Ser Glu Thr Asn 2740	e Val Glu Arg Thr Pro Phe Ser Ser Ser Ser Ser 2760	Ser Pro Ser Gly Thr Val Ala Ala Arg Val Thr Pro Phe 2775	Pro Ser Pro Arg Lys Ser Ser Ala Asp Ser Thr Ser Ala 2790
Asn 2700	Val	Asp	Val	Ser	Arg 2780	Asp
Asp	Thr 2715	Pro)	Pro	Ser	Ala	Ala 2795
Lys	Arg	Ala 2730	Val	Phe	Ala	Ser
Ser	Met	Asp	Pro 2745	Pro )	Val	Ser
Asp	Pro	Val	Asn	Thr 2760	Thr	Lys
Lys 2695	Val	Gln	Asn	Arg	G1y 2775	Arg
Ile	Ser 271(	11e	Gln	Glu	Ser	Pro 2790
Asn	Gly	Phe 2725	G1y )	Val	Pro	Ser
Pro	Asn	Ser	Pro 2740	Ī	Ser	Pro
	Gly	Thr	Ile Lys	Pro 2755	Ser	Asn
Lys Ala Asn 2690	Val 5	Arg Leu		Ser	His 2770	Asn Tyr Asn 2785
Lys	Asn 2705	Arg	Glu	Glu	Lys	Asn 2785

# FIG. 3Z

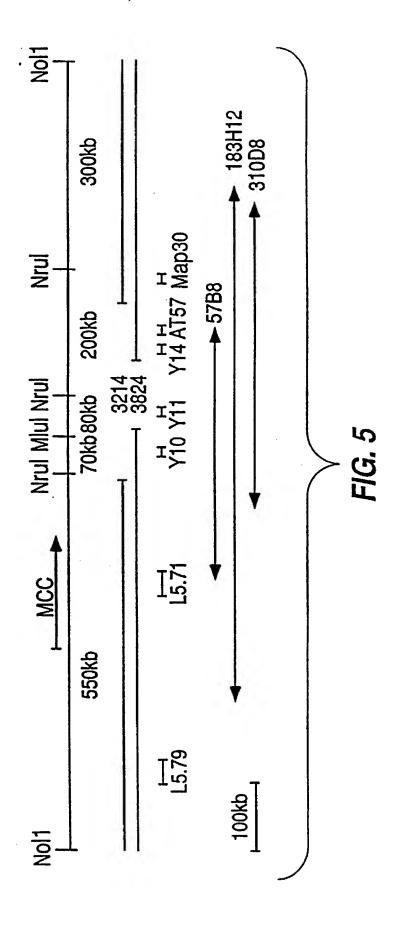
Arg Pro Ser Gln Ile Pro Thr Pro Val Asn Asn Asn Thr Lys Lys Arg 2815 Pro Lys Ser 1 2830 Gln Ser Gly Leu Val Thr Ser Val 2840 Ser 5 2825 Glu  $\operatorname{Thr}$ Ser Gly Ser Tyr 2835 Ser Thr Asp 2820 Ser His Asp

233	909
LGTCODMEKRAORRIARIOOIEKDILRIROL	LTGAKGLOLRALRRIARIEOGGTAISPTSPL
203	576
APC	RAL2

APC	453	MKLSFDEEHRHAMNELGGLOAIAELLOVD	481
M3 MACHR	249	LYWRIYKETEKRIKELAGLOASGTEAETE	277
MCC	220	LYPNLAEERSRWEKELAGLREENESLTAM	248
APC	453	HKL SFDEEHRHAMNELGGLOAIAELLOVD	481

DISTRIBUTE .. CALEDIA





ວ	ACG	Thr 109	GAG	Glu 163	AAC	Asn 217	TTC	Phe 271	TAC	Tyr	325	CTG	Leu 379	ATC	Ile	433	TGG	Trp 487	ATC	Ile	541	֡֞֞֝֟֝֟֝֟֝֟֝֟֝֓֓֓֓֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟	Leu
	GAG	Glu	CAC	His	GTG	Val	GTG	Val	၁၁၅	Ala		${ m TGG}$	Trp	GAT	Asp		TTG	Leu	ATC	Н	(	GAC	Asp
	၁၅၅	Gly	CTG	Leu	CCC	Gly	CTG	Leu	CCA	Pro		CAG	Gln	TCL	Ser		CTG	Leu	၁၅၁	Arg	1	AAG	Lys
	GGN	Gly	TTC	Phe	ACC	Thr	TAC	Tyr	TAC	Tyr	•	ACC	Thr	TTC	Phe		TIC	Phe	AAG	Lys		GIC	-4
	၅၁၁	Pro	550	Arg	AAA	Lys	TTG	Leu	၁၅၅	Gly	•	GAT	Asp	TTC	Phe		၁၅၅	Gly	TAC	$\mathbf{T}\mathbf{y}\mathbf{r}$		J.	Val
	၁၁၅	Ala	GAC	Asp	ပ္ပင္ပ	Ala	၁၁၅	Ala	TTT	Phe		GAT	Asp		Glu		$\mathtt{TGT}$	Cys	CIC	Leu		AGT	
	ACA		TIC	Phe	GAG	Glu	GTG	Val	GGA	Gly	1	GAA	Glu	GCT			AAG	Lys	CTG	Leu		O	Asp
		Gly	AGG	Arg	CIC	Leu	CTG	Leu	ATA	Ile	<u> </u> 	AAA	Lys	ATT	Ile		CTG	Leu	GAA	Glu		ATG	
	CTA	Leu	GAG	Glu	AAG	Lys	GGA	Gly	CTG	Leu	l	AAC	Asn	AGC	Ser		ATG	MET	GCT	Ala		AG G	Gln
\$ <sup>8</sup> 7	GCA	Ala 82	AGG	Arg 136	200	Ala	ATC	Ile	Z A A	Asn	298	ည္သ	Pro	TIC	Phe	406	TAC	<b>TYF</b>	999	Gly	514	TCC	Ser
	ဗ္ဗဘ	Pro	ATG	MET	CTG	Leu	GTC	Val	TGC.	CVS	7	AGT	Ser	GTG	Val		TAC	TYĽ	AAT	Asn		AG	
	TAT	Tyr	သည	Ala	CTT	Leu	GGT	Gly		Len	; }	GAG	Glu	GGT	Gly		TTC	Phe	TCT	Ser		CAC	His
	GIC	Val	909	Ala	GAC	Asp	CTT	Leu	ريان	T.e.I	<b>5</b>	ATA	Ile	TAT	Tyr		ပ္ပပ္	Pro	CCT	Pro		AAG	Lys
	CCA		TCT	Ser	ACT	Thr	GCT	Ala	ال ال	ין אַר אַ	5	GCT	Ala	GTG	Val		TIC	Phe	AGC	Ser	!		Len
	GCT	Ala	ATG	MET	ATG	MET	ATC	Ile	ن	) ל מ	3	AAA	Lys	GTA.	Val		TGG	Trp	ອວວ	Pro	 	TTC	Phe
	၁၁၅	Ala	ပိုင္ပင	Ala	TGC	Cys	TTC	Phe	ָלָי ע	מקט ארני	7 7 7	ATT	Ile	TC.	Trp		TCA	Ser	ပ္သည္ဟ	Ala		TTC	Phe
	GTC	Val	C C	Pro	AAC	Asn	AGC	Ser	E	101	7	TCA	Ser	S A E	Tyr	l	CTG	Leu	ΑTG	MET		CCT	Pro
	ر د د	Ala	CT.	Val	AAG	Lys	יט ע	Arg	į	ָּבֶּלָדְ בַּבְּרָדְ	ζτb	A T	Ile	ر ر	Thr		THC.	Phe	T.	) (	7	CGT	Arg

### Nov. 25, 1997

AAG AAA	Ala Lys Lys Ala		AGA	1		TRIALI		TATTAAAGAT TGGAATGTGT		CAGTGGG		TGTTGCTATC CTGCAGGAAA	970 980	CACGSA		ATAATT		GACTACANCA TGCATCATGC		CACCTG	1250 1260	AAATACGTGA TTAATATGCA	1320 1330	CGTAGTATAT GGCATATGAA	1390 1400	
AAA GAA	Thr Lys Glu		TAA ACC	Thr				ATTTTTGAGA	820	GGAGCACTTT	068	AAAAGATGTA	096	ACTTTACTGG	1030	CCTRTAATGT	1100	GTTACTGTCT	1170	TAACTTCTGT	1240	ATACTTTAGG	1310	TGGTTGTTTC	1380	
GCC ATC	Ala Ile		AAG AGC	Lys Ser	670	CTCTCTGTAC	740	CCTTGGAAAC	810	ATATATAG	880	TCTGGGTAGG	950	CAGGCTGTGT	1020	GGTTCTACTT	1090	ATATGGAAAT	1160	GTGTCATTTA	1230	CTACTAAATA	1300	GAGATTGGCC	1370	
ACT GCA GAT	Thr Ala	779	GAA GAA	Glu Glu Lys	99	ACTTCCTGCC	730	AATAATGTTG	800	TTTACTGTCT	870	GTATTTGCC	940	ATATACCCCA	1010	TAATCTTAT	1080	GCACATGTAC	1150	AAGGTTGTAT	1220	CTGGTGTGGT	1290	AAATCGAATG	1360	
TCC AAA GAG	Ser Lys Glu		TTA CTG GGT			CTGGATGGAA	720	TAATTATTT	790	THUCCHTACT	098	かるなるない かんかん	026	TTAAAATT	1000	ACATTTAGGR	1070	ATGTATTTGT	1140	5555405455 5622 5655405455 5622	1210	STEATON A	1280	STAKE ADADED	1350	
AAA GAC AAG	Asp Lys		ACC GTG AAT	Val Asn	5	CTAAACCAGA	710		780	しまませい なるものも			1192422191	۱E	USS	は出める中でよっよっ	110401	& \P\P\P\P\P\P\P\P\P\P\P\P\P\P\P\P\P\P\P	1130	じゅうじじじゅんしゅ	0041	0071	AMECI COMO	0 / NH	1340	

OGHHEHBG IIIOO

C		-11	ı				IUV.	. 4.	, 1	フフ	•			SII	CCI	. J	<b>,</b> 0.	1 7	U					,00	<b>-</b> 9	•
	GAAATTTACA	1470	TAACTCTCAA	1540	TCAAGATGCT	1610	TTTCCCAATC	1680	GTTCTYGTTT	1750	TGARAGGNWG	1820	TGGCCTTTAA		GCCCTCATCC	1960	ANNCGGATGT	2030	TTACACCATA	2100	ATTAAATATC	2170	CAGGTAAGAT	2240	CNNCTAATAT	
	GATAAATCGG	1460	GAGTACCCTG	1530	TIGICIATIG	1600	TTTAGTCTTC	1670	TTACATGTAT	1740	TCTGGGAGAN	1810	AGTITITICIC	1880	CCATTTAAAT	1950	AGTAAAGTTA	2020	AATCTGAGTT	2090	AACTAACAAG	2160	AGNTAACAAT	2230	GACAGTATCA	
	TCACTCTAGT	1450	CACACACACA	1520	CTTTACATAT	1590	NACATGTTGA	1660	CCACCTCTGA	1730	TRAGMGCAAT	1800	ATCTATCTTC	1870	CACTTGTAGT	1940	AGTACAGANC	2010	TGGACTAGAA	2080	TGTATAACTA	2150	GCTCACCTTG	2220	AATACTAAGT	
	AGTTAGTTAC	1440	CACACACACA	1510	CTGCTATAAA	1580	ANAGSGGAGA	1650	GRAGATTTGY	1720	CACCTAGCTC	1790	AGTTAAGTCA	1860	AAGTCAGAGT	1930	CTACATAGTA	2000	GCAATTTGTC	2070	CTAAAACAAG	2140	AAGATGATTA	2210	TAAAGATATC	
	GCAGTTAGTT		CACACACACA	1500	ACTGTCTTAT	1570	TTTTATCTTC	1640	AGGMNCTTCT	1710	CTAATGRCGA	1780	GCTTGGCAAT	1850	CCTAGTTTAC	1920	CTGCACAKGA		GNTATAGAGA	2060	TTAAACTAGA	2130	AAGGCAAATA	0000	TNAANAATAT	
	GCTTTATAAA	1420	CACACACACA	1490	AACTAGTAAT	1560	CCATTTCTGG	1630	AMCCAGTTTN	1700	CAACAACATG	1770	CCCATAATCT	1840	AAGAGGCTTC	1910	TGTTGATAAG	1980	CTGCGAANTC	2050	TCCTTTTGAA	2120	AGTATTTTT	0010	DUE STEATON	)
	TACCAGGATA	1410	CACACACACA	1480	TTCCCTGAAA	1550	ACANTGGAMN	1620	TTCTTTTTA	1690	GTATCATKAG	1760	TATARACTAN	1830	GGTCAAACAC	1900	GTATTCTTG	1970	CTCCATTGAT	2040		0110	CAGCCAGTAC	6	STA ANANTAN	

DSH4E4E5.111E99

### F16. 6D

			() ()			
			Oacc	2290	2300	2310
2250	2260		יי פריי	ပ္သပ္	GCATTTTATT	AAACTTAAAA
AATATGGATC	T.T T	J.T.T.T.T.			2370	2380
2320	2330			AGA	TTAAAAAAT	TTTAAGTAWC
CTTTGTAGAA	AGCAAACAAA	ATTCTT6		2430		2450
2390	2400	0.1.4.2 0.1.4.2	י ני	THUTCTTGGT	GGCAGAATGA	AAATCAGCAA
TAGGAGTATT	TAAATCCTTT	TCCCATAAAT		2500	2510	2520
2460	2470	2480		ACAATATT	ATCAGACAAG	ATGAGGAGGT
CNTCTAGCAT	ATAGACTAT	TAATCAGATT		2570	2580	2590
2530		0007		NTAGNTNTAA	AATACTATAT	TAAATTCTGA
ACAAAAGTTA	CTATTGCTCA	TAATGA	いないないならない		2650	2660
2600	2610				TGGCAGTCTA	AGTGTAAATG
ATGCAATTT	TTTTTCTTCC	CTTGAG		2710	2720	2730
2670	2680				AAATGAAATA	CIGCCIIGGC
TTAACAGCAG	GAGAAGTTAA	GAATTGAGCA	GLICICITE	OSSTITUTE		2800
2740		2760	0//7	は はいして さまり できる		TGAATAGTGT
TAGAGTTTGA	AAAACTAATT	GAGCCTGTGC	CTGGCTAGAA	TENDERGHA		2870
2810		2830	2840		TTAADAAADA	CCTGCAGCAG
TTCAAAGGTA	TGTAGTTACA	GAATTCCTAC	CAAACAGCIT		2930	2940
2880		2900	OT67		TOUCGA AGA	TCCTCTACTC
արձարույ	ACCTGAAGGC	TTCAATCATT	TGGATCAACA	ACIGUIACIO		
2966			2980		上がよるがながる	CACTGA
ACAGCTGAAG	AAAATG	CACCCI	ACTGTTATCA	CCIAICLIGA	3070	
3020					SESTA ACCOUNT	AAAATGACCT
AAATAATAG	ATGTAA	AATTGAGWTC	TCAT'I'I'AAAA	AAAACCA1G1	3140	315
3090				つけるが出来ってい		ATACATCTCT
CATGTTGTGG	TTTAAACAGC	AACTGCACCC	ACTAGCACAG			
3160						
GTCAGTGCCC	CTC				•	



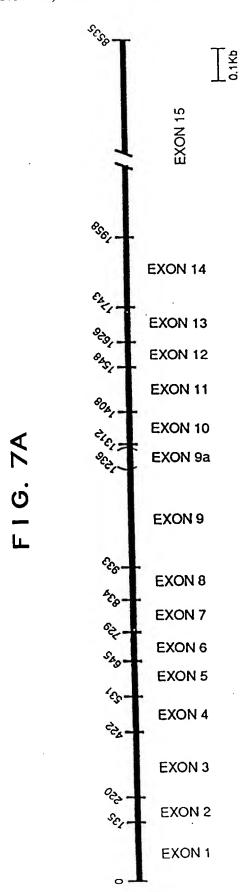
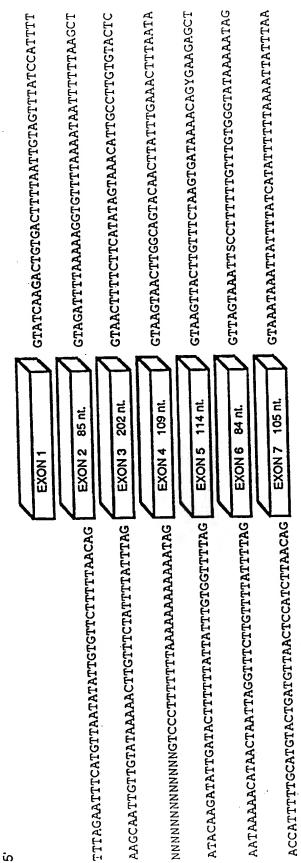


FIG. 7B-1



က

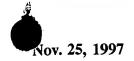




FIG. 7B-2

SATITITES AND SECTIONS AND THE AGE	EXON 8 99 nt. GTAACAGAAGATTACAAACCCTGGTCACTAATGCCATGAC	ACTAATGCCATGAC	
TAGTCTAAATTATACCATCIAIAA1GIGGIIMIIII	CINTELLIBIAGICIACICATACICCATCTACATCCATACATCCATACATCTACAAA	GTGCATGTTTCAAA	
TANA A CHOCETA A THITICIA A A CICATITIC CACAG	EXON 9 379 nt.		
	GTAAGACAAAATGTTTTTAATGACATAGACTACTTGCTG	ATAGACAATTACTG	
ATAACAAAGCATTATGGTTTATGTTTTTTTTTTTTGG	汇	TSSADTOSATAOA	
max carcartantectetises	EXON 11 140 nt GTATGTTTTTATAACAIGIAIIICIIAAGAIAGGI	The Garage and the Ga	
	GIACTATTAGAATTICACCIGITITICITITICICITIT	TCTTTTTCTCTTT	
TGNCTTTTAAATGATCCTCTATTCTGTATTTACAG	EXON 12 76 III.		
STATTCCAGE AND STATE AND STATE AND STATE COAGE	EXON 13 117 nl GTACCTTTGAAAACATTTAGTACTATAATATGAATTTCAL	aatatgaatitcai	
ATTTTATGTATAAATAAATAAATAAATAAATAAATAAAT		TTAAAGTACAGAATT	
CCAACTCNAATTAGATGACCCATATTCTGTTTCTTACTAG	EXON 14 215 nt.   GIAIAIAIAIAGAGIII		
ATTGTGACCTTAAFTTTGTGATCTCTTGATTTTATTTCAG	EXON 15		